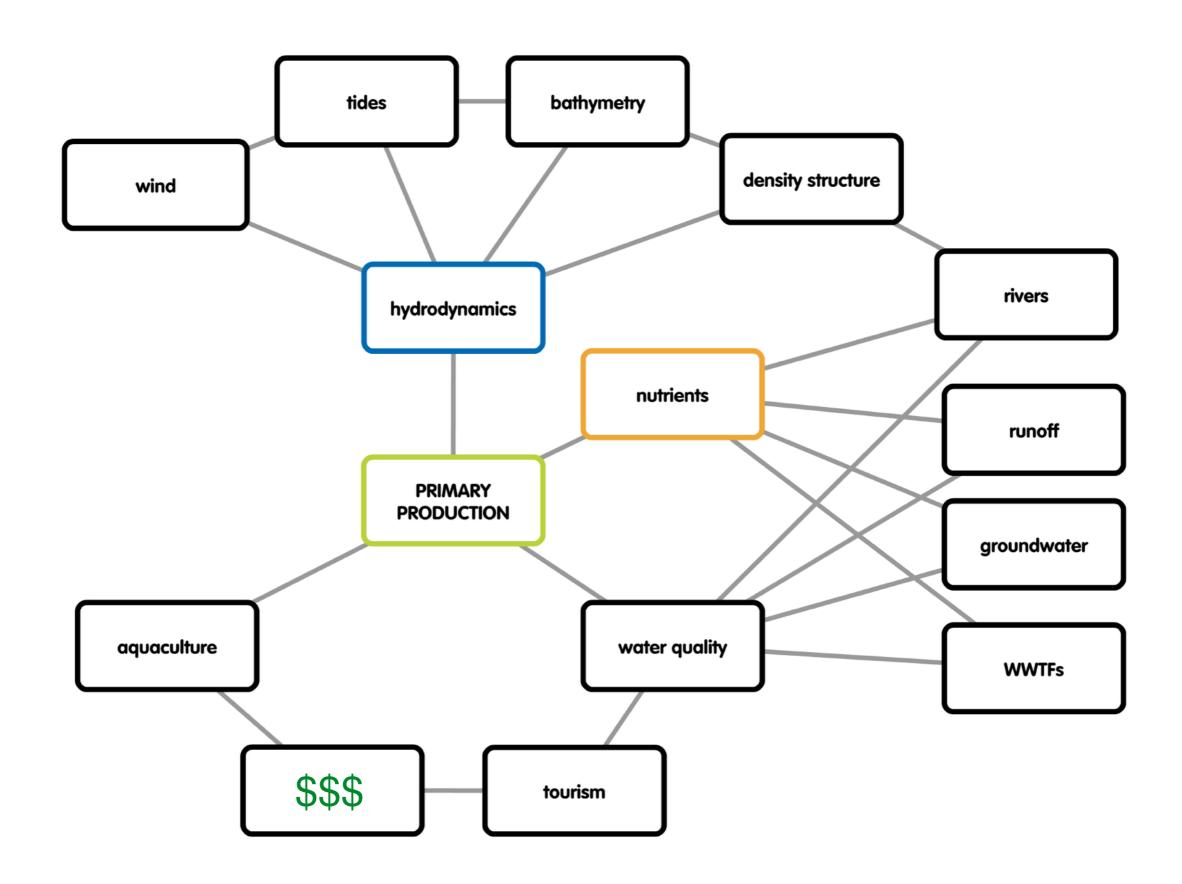
Observing a 2012 chlorophyll intrusion from Greenwich Bay to Ohio Ledge

Kevin Rosa
URI GSO - Kincaid Lab

Broader goals...

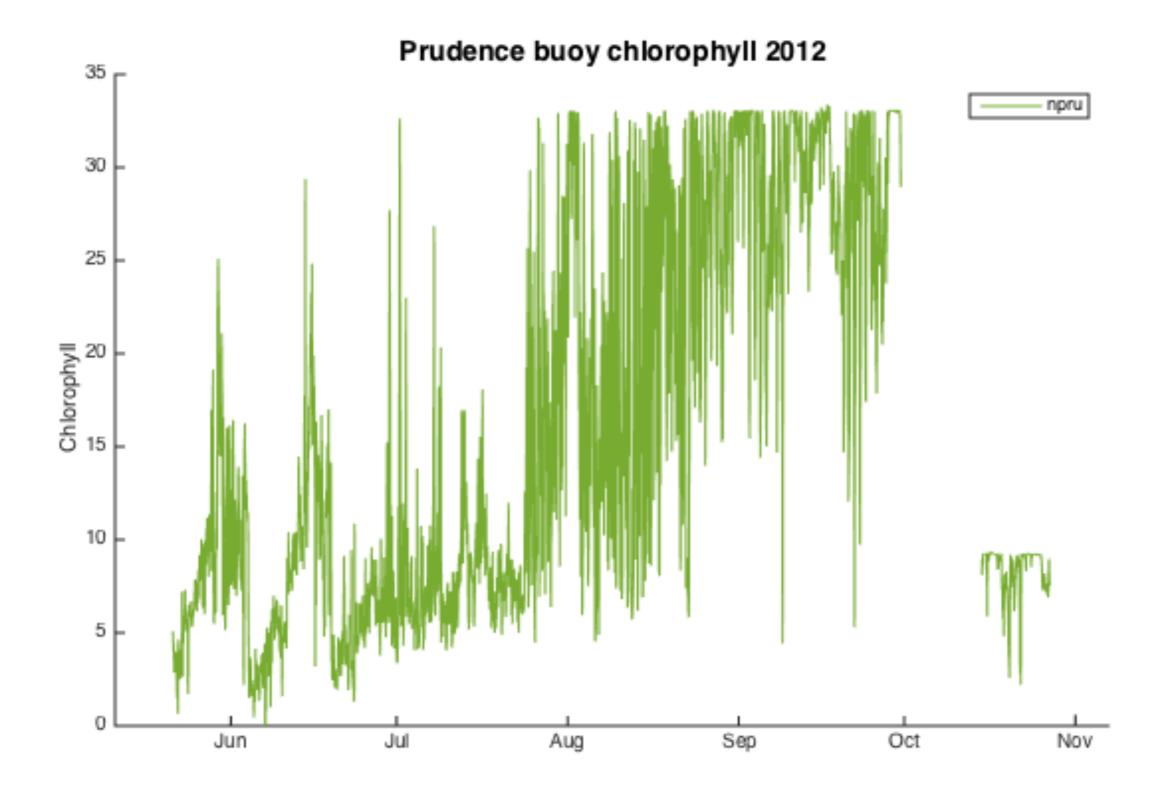
Connecting bio-chemical data with physics to advance understanding of the interconnected processes governing the health of Narragansett Bay.

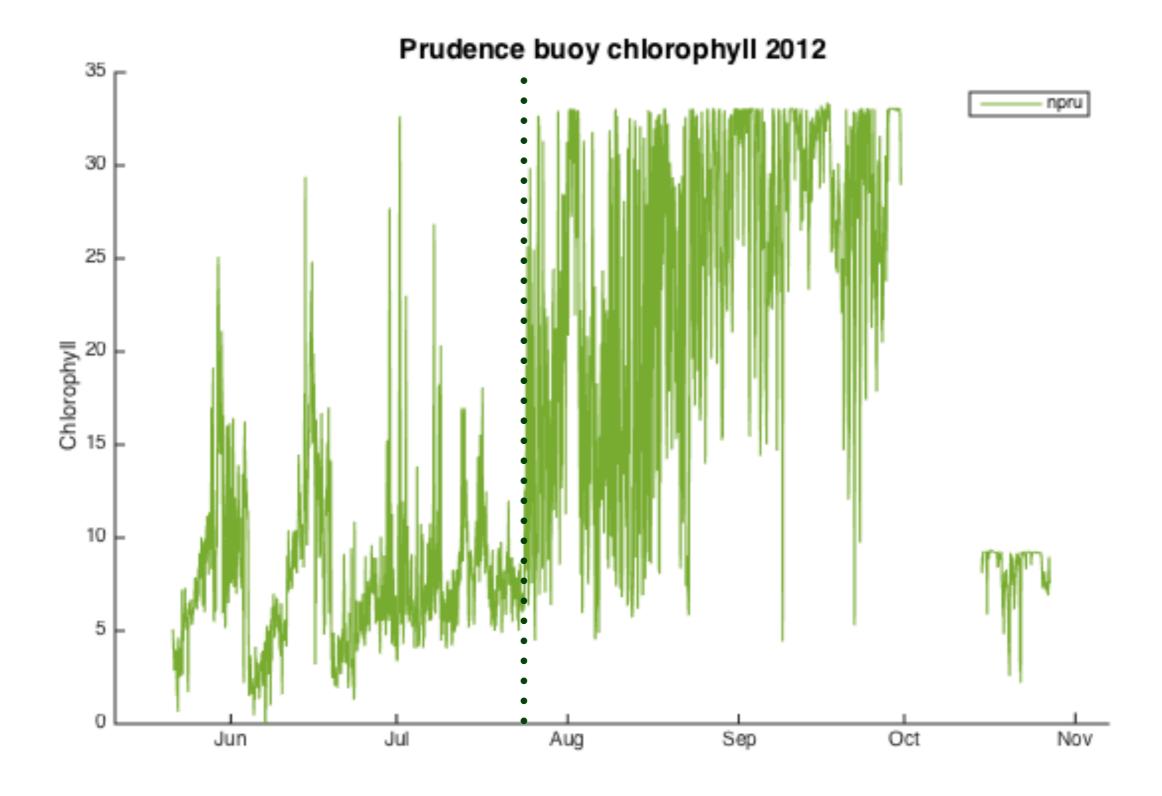
The need for a multi-disciplinary approach



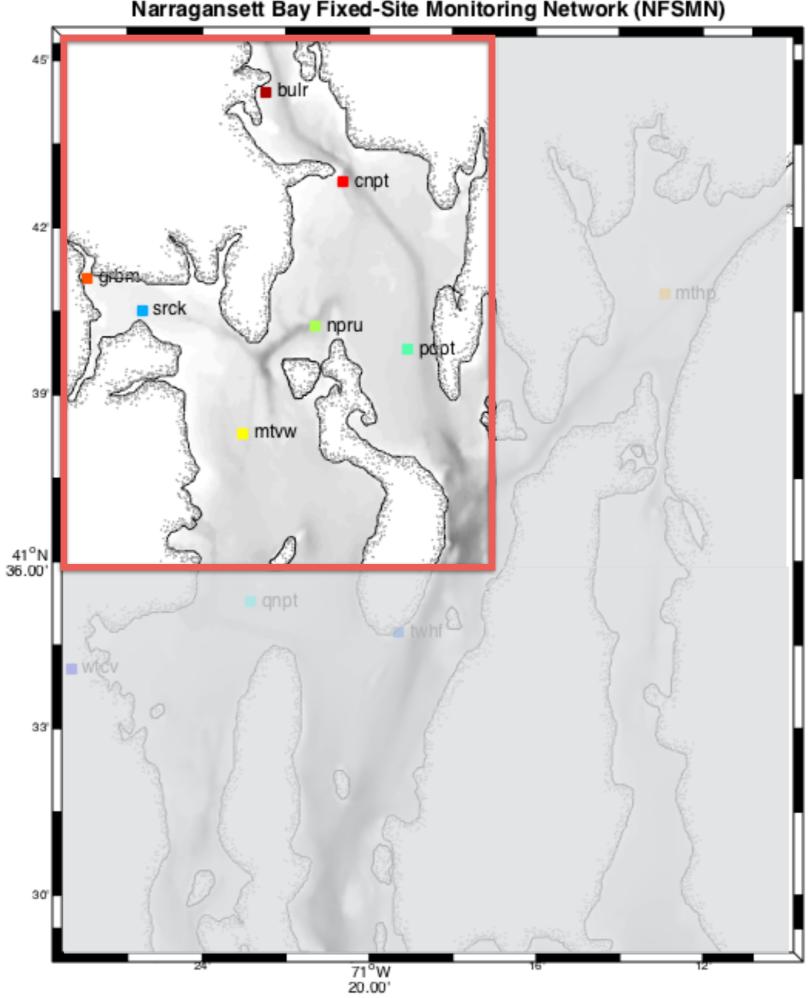
Narragansett Bay Fixed-Site Monitoring Network (NFSMN) bulr cnpt - mthp srck npru popt mtvw 41°N 36.00' qnpt Atwhf (A) 33 30° 71°W 20.00'

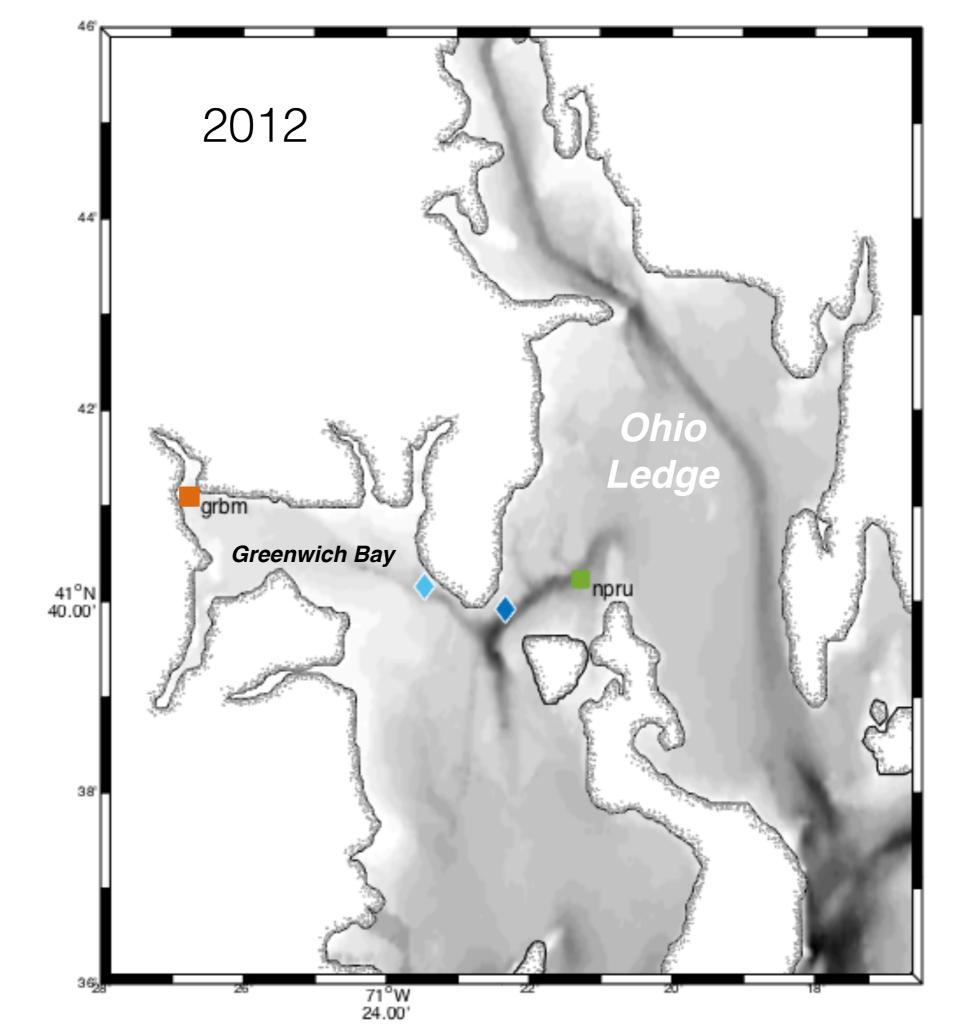
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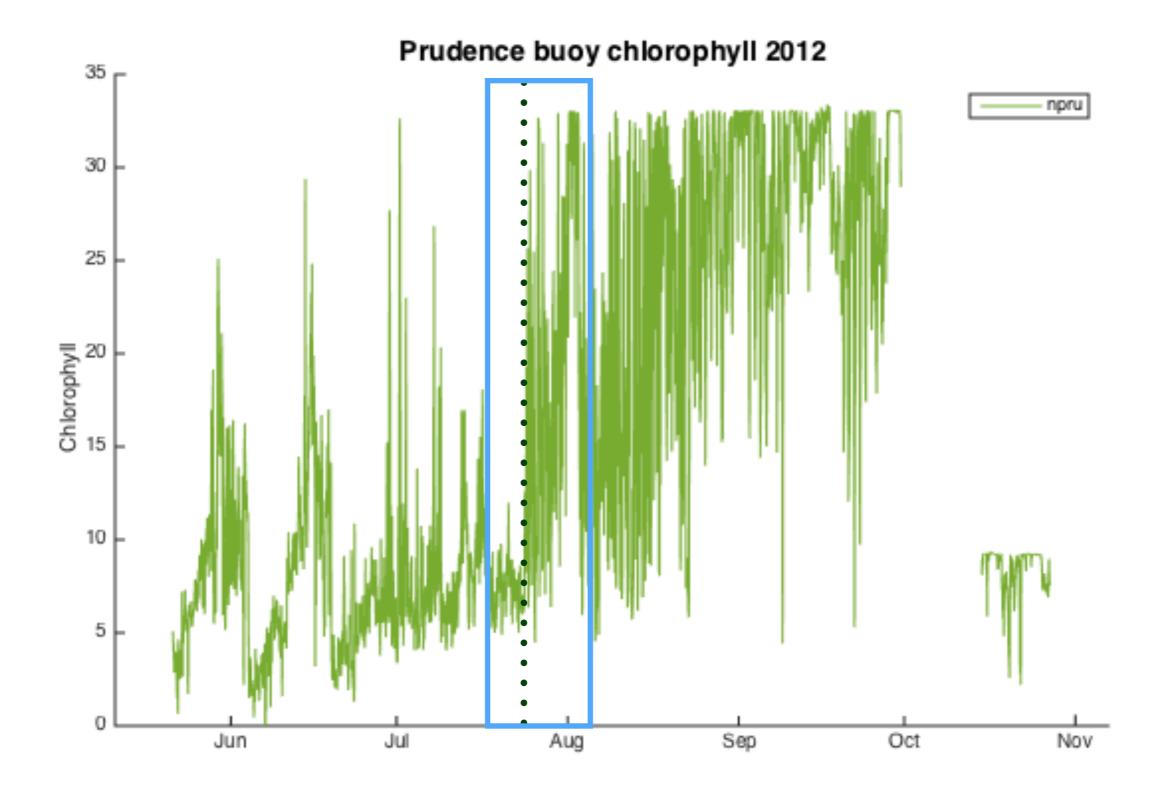


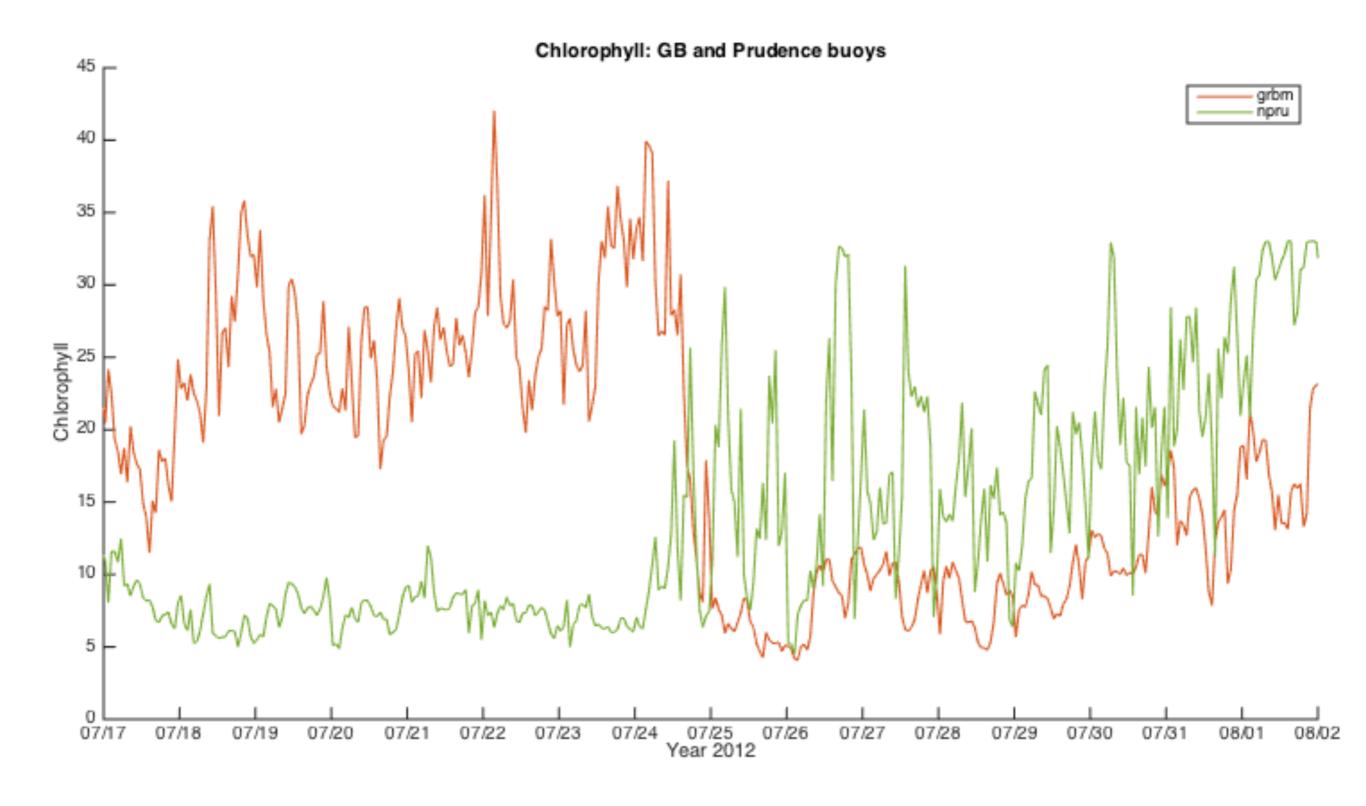


Narragansett Bay Fixed-Site Monitoring Network (NFSMN)

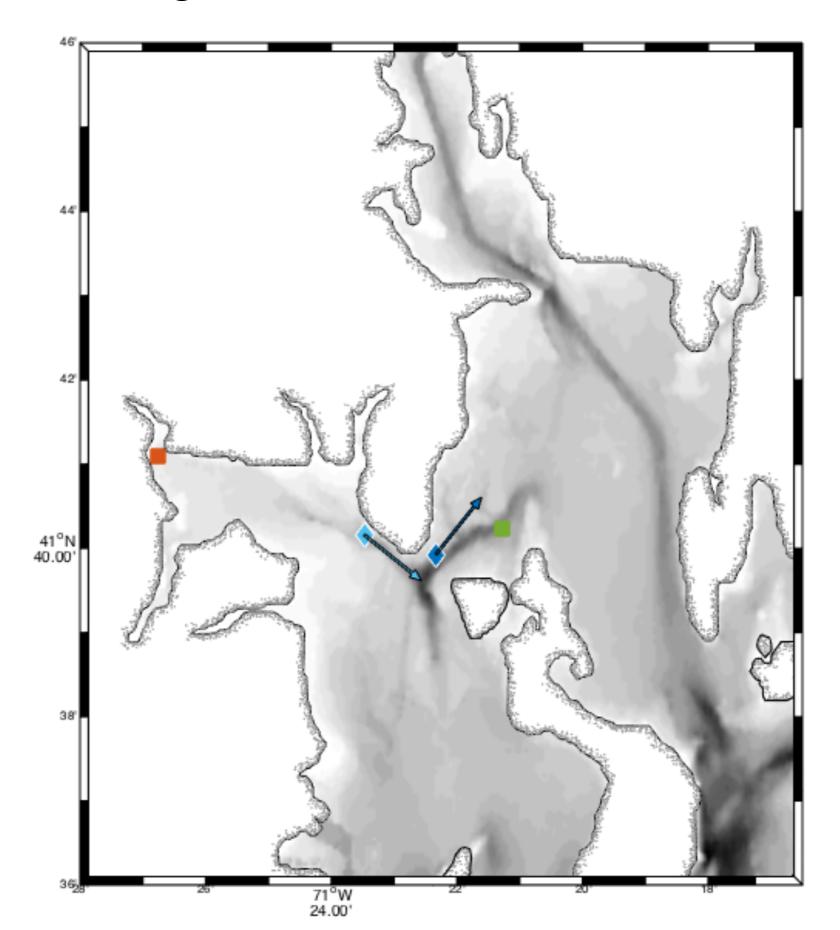


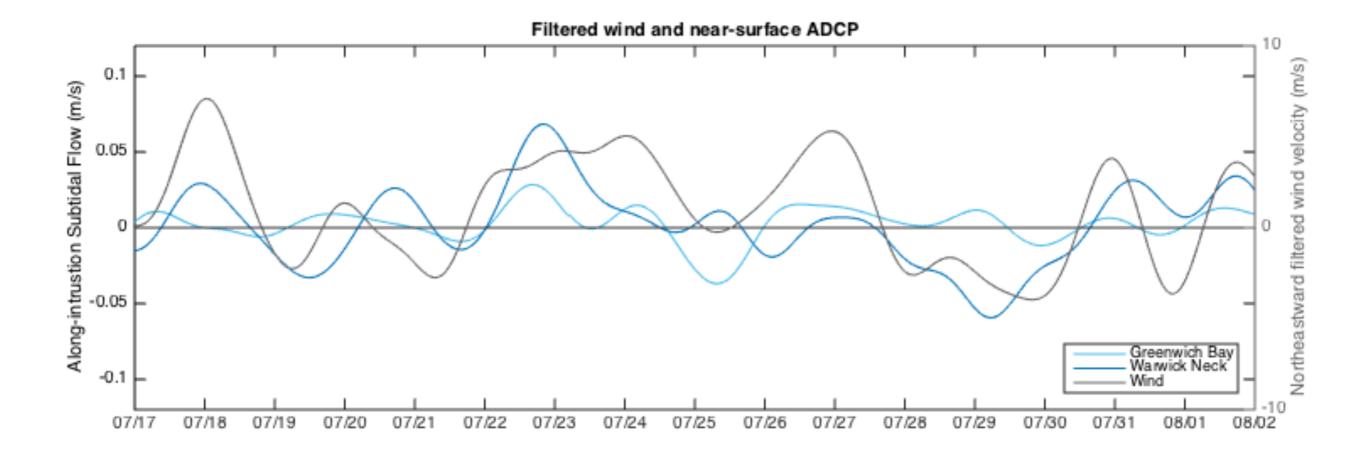


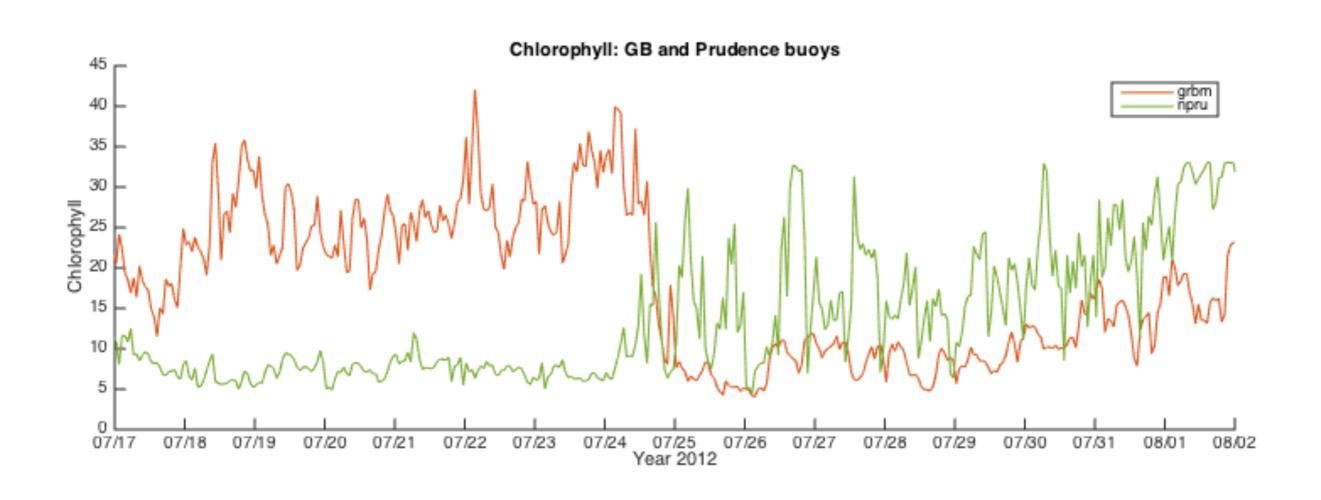


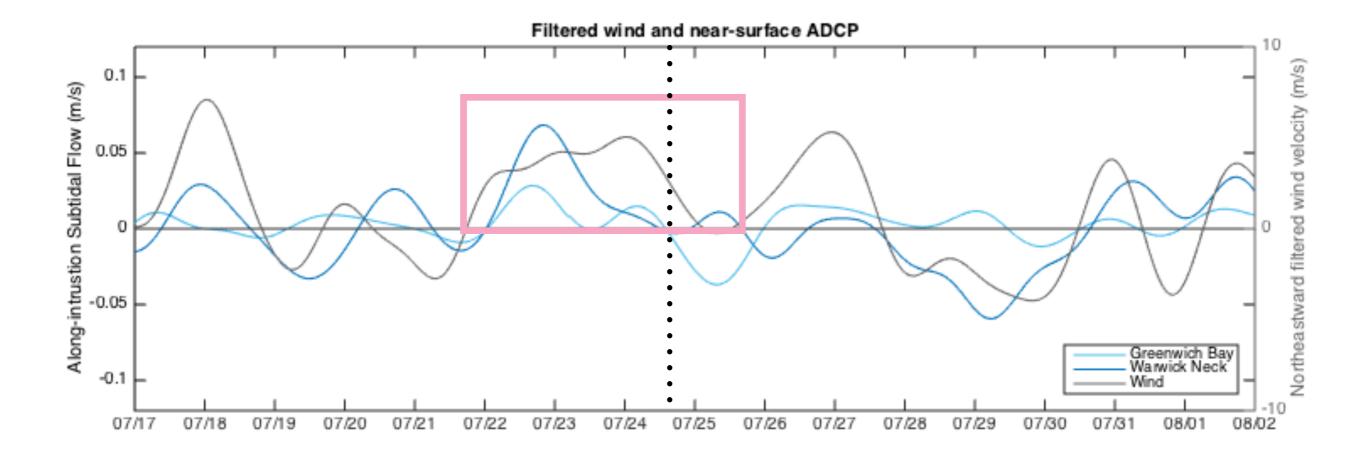


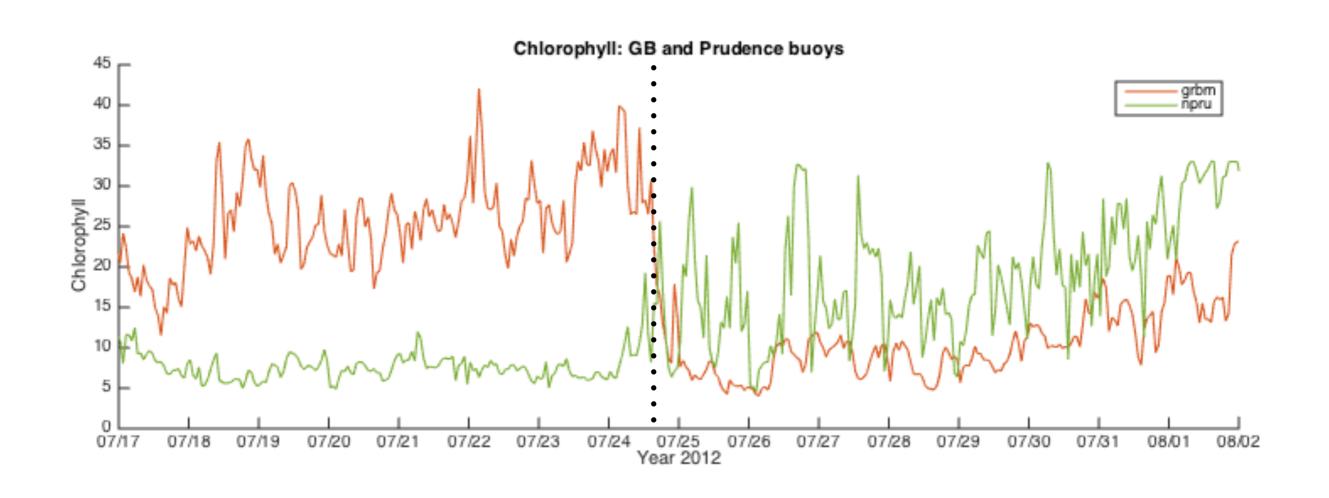
Defining GBtOL-Intrusion Coordinates

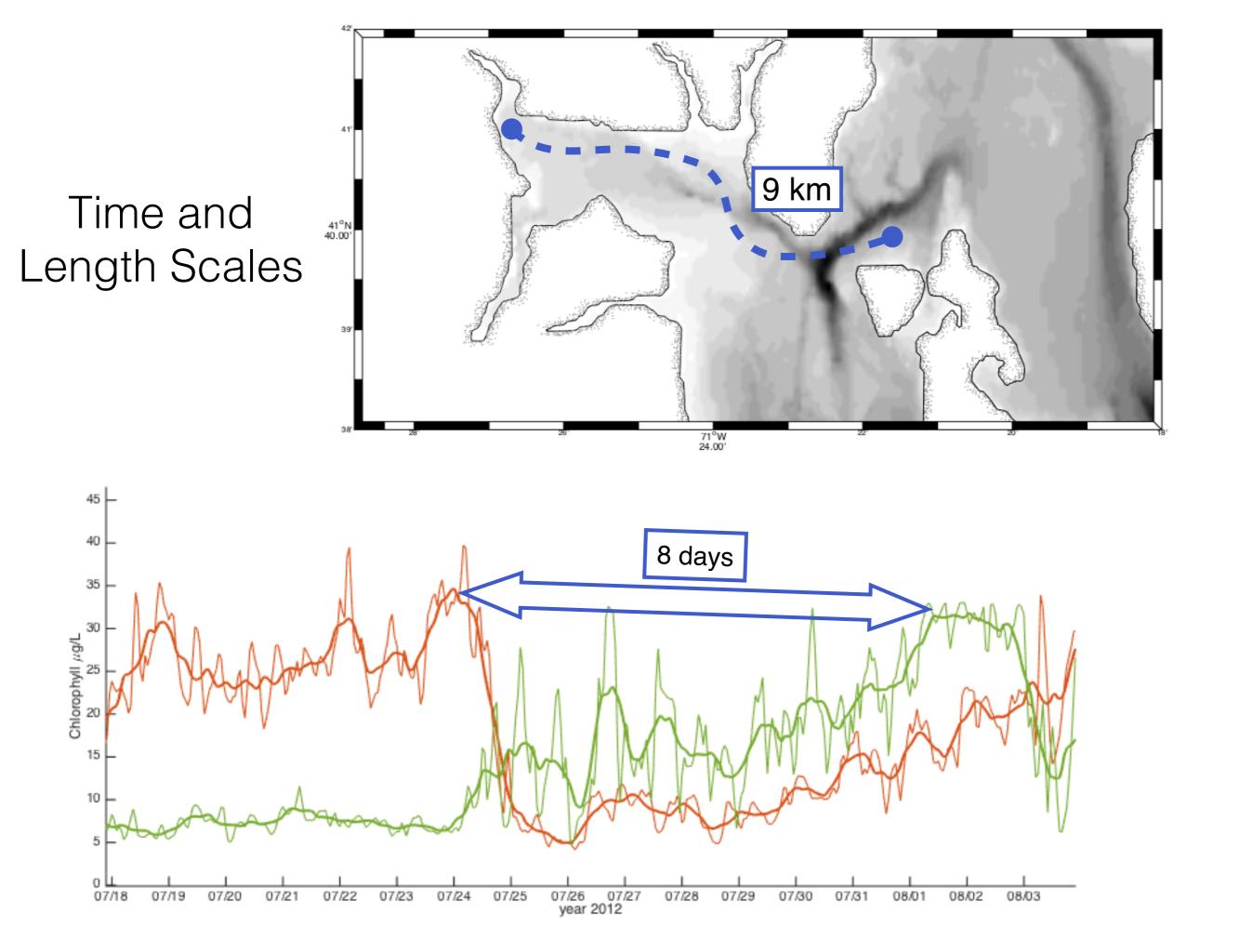






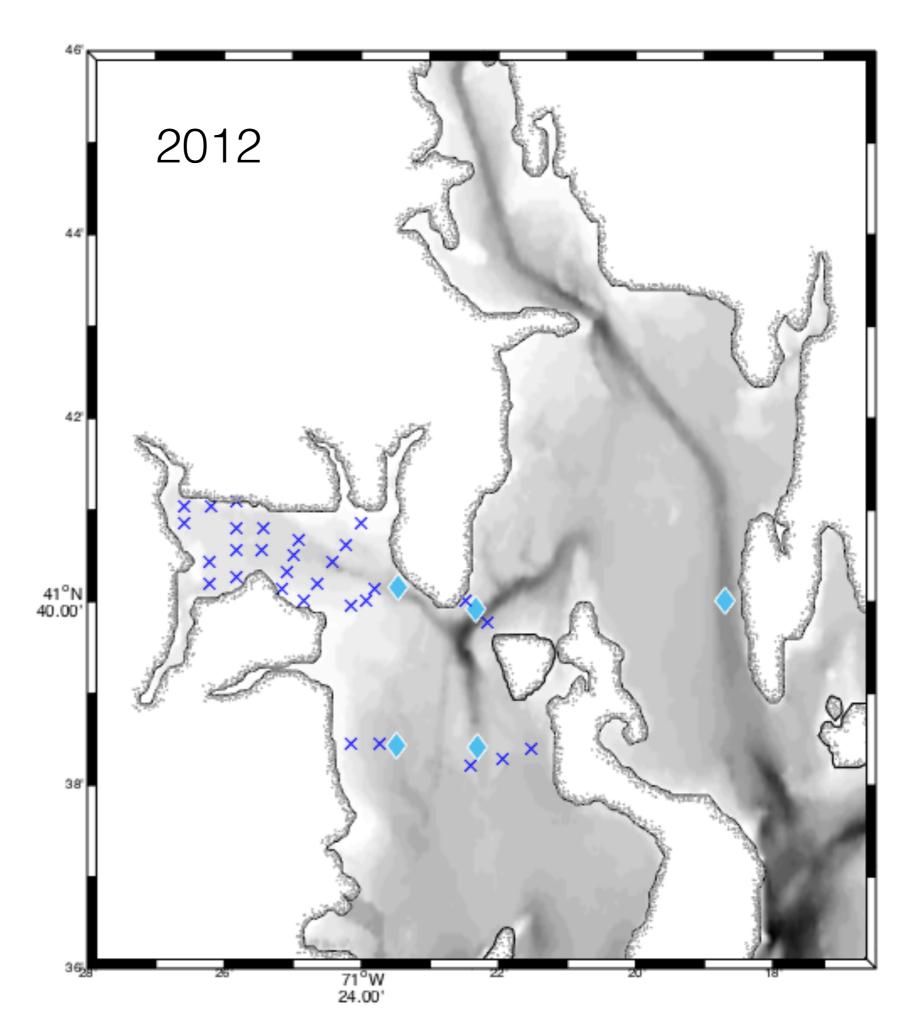






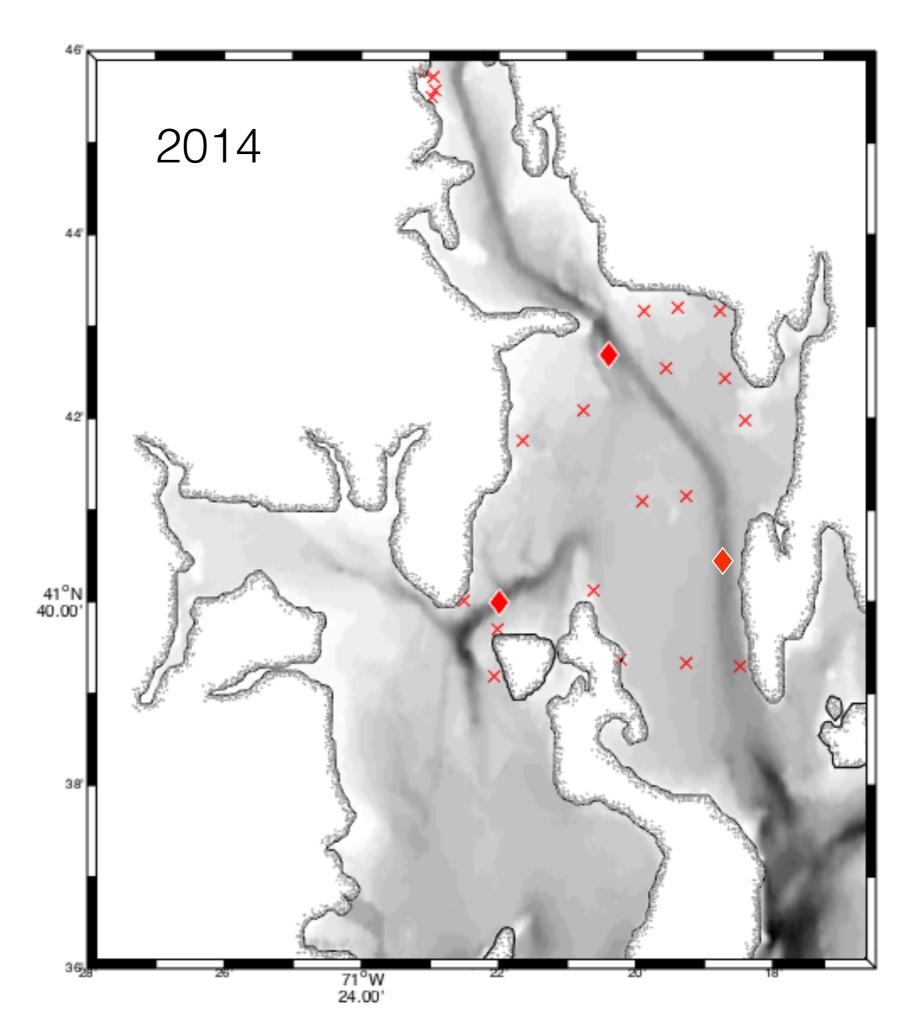












Future directions

- seek hydrodynamic data for historically significant events (e.g. August 2003 fish kill).
- look at other NBFSMN measurements: dissolved oxygen, temperature, and salinity.
- compare with ROMS model results.
- actually write my thesis...



(picture of an ADCP in its housing)

